

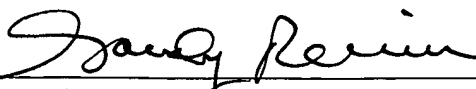


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Edward Balassanian and David S. Wolf  
Application : 09/304,973 Confirmation No. 1456  
Filed : May 4, 1999  
For : METHOD AND SYSTEM FOR GENERATING A MAPPING  
BETWEEN TYPES OF DATA

Docket No. : 29451-8004US

Date : August 14, 2001

Commissioner for Patents  
Washington, DC 20231

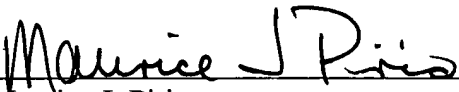
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Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO/SB/08A (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information of which they are aware that is believed relevant to the patentability of the above-identified application, applicants believe that their invention is patentable. As to any document supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to antedate any such document, as by a showing under 35 C.F.R. § 1.131 or other method.

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Respectfully submitted,  
Perkins Coie LLP

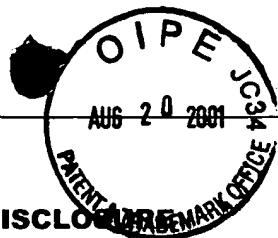
  
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Enclosures:  
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Cited References (18)

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| Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary)  |                    |  |   | <b>COMPLETE IF KNOWN</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>09/304,973</td></tr> <tr><td>Confirmation Number</td><td>1456</td></tr> <tr><td>Filing Date</td><td>May 4, 1999</td></tr> <tr><td>First Named Inventor</td><td>Edward Balassanian</td></tr> <tr><td>Group Art Unit</td><td>2151</td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Attorney Docket No.</td><td>29451-8004US</td></tr> </table> |   | Application Number | 09/304,973 | Confirmation Number | 1456 | Filing Date | May 4, 1999 | First Named Inventor | Edward Balassanian | Group Art Unit | 2151 | Examiner Name |  | Attorney Docket No. | 29451-8004US |
| Application Number  | 09/304,973         |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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| Filing Date   | May 4, 1999        |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| First Named Inventor  | Edward Balassanian |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| Group Art Unit  | 2151               |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| Examiner Name   |                    |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| Attorney Docket No.   | 29451-8004US       |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| Sheet   | 1                  | of   | 1   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| <b>U.S. PATENT DOCUMENTS</b>  |                    |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| *EXAMINER INITIALS*   | Cite No.           | U.S. Patent Document<br>NUMBER Kind Code (if known)  | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document   | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
|   | AA                 |  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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|   | AC                 | Amir, E. et al., "An Active Service Framework and its Application to Real-time Multimedia Transcoding", Proc. of the SIGCOMM '98, University of California at Berkeley, August 1998, pp. 1-12 ✓  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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|   | AE                 | Czerwinski, S. E. et al., "An Architecture for a Secure Service Discovery Service", Fifth Annual International Conference on Mobile Computing and Networks, University of California at Berkeley, August 1999, 12 pages ✓  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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|   | AG                 | Fox, A. et al., "Cluster-based Scalable Network Services", Proc. of the 16 <sup>th</sup> ACM Symp. on Operating Systems Principles, University of California at Berkeley, October 1997, 14 pages ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
|   | AH                 | Gribble, S. D. et al., "The MultiSpace: an Evolutionary Platform for Infrastructural Services", Proc. of the 1999 Usenix Annual Technical Conf., University of California at Berkeley, June 1999, 14 pages ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
|   | AI                 | Gribble, S. D. et al., "The Ninja Architecture for Robust Internet-Scale Systems and Services", University of California at Berkeley, http://ninja.cs.berkeley.edu, accessed August 2, 2001, 18 pages ✓  |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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|   | AL                 | Mallet, A. et al., "Operating System Support for Protocol Boosters", Proc. of HIPPARCH Workshop, Philadelphia, PA, June 1997, pp. 1-11 ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
|   | AM                 | Mohan, R. et al., "Adapting Multimedia Internet Content for Universal Access", IEEE Transactions on Multimedia, 1(1):104-114, New York, NY, March 1999, pp. 1-35 ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
|   | AN                 | Nakao, A. et al., "Constructing End-to-End Paths for Playing Media Objects", Proc. of the OpenArch '2001, Princeton University, March 2001, 12 pages ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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|   | AT                 | Yavis, M. et al., "Conductor: A Framework for Distributed Adaptation", Proc. of the Seventh Workshop on Hot Topics in Operating Systems, UCLA, March 1999, 6 pages ✓   |   |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
| EXAMINER  |                    |  | DATE CONSIDERED                                 |   |   |                    |            |                     |      |             |             |                      |                    |                |      |               |  |                     |              |
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